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NOTICE OF ALLOWANCE AND FEE(S) DUE

27488 7590 08/22/2008

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

EXAMINER

CHEN, QING

ART UNIT

PAPER NUMBER

2191

DATE MAILED: 08/22/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/731,899

12/09/2003

Brian Jones

60001.0182USI1/MS303914.1

4706

TITLE OF INVENTION: MECHANISM FOR DOWNLOADING SOFTWARE COMPONENTS FROM A REMOTE SOURCE FOR USE BY A LOCAL SOFTWARE APPLICATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	11/24/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27488 7590 08/22/2008

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/731,899 12/09/2003 Brian Jones 60001.0182USI1/MS303914.1 4706

TITLE OF INVENTION: MECHANISM FOR DOWNLOADING SOFTWARE COMPONENTS FROM A REMOTE SOURCE FOR USE BY A LOCAL SOFTWARE APPLICATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1440 \$0 \$0 \$1440 11/24/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
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CHEN, QING 2191 717-173000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,899	12/09/2003	Brian Jones	60001.0182USI1/MS303914.1	4706
27488	7590	08/22/2008	EXAMINER	
MERCHANT & GOULD (MICROSOFT) P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			CHEN, QING	
			ART UNIT	PAPER NUMBER
			2191	
DATE MAILED: 08/22/2008				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 284 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 284 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/731,899	JONES ET AL.	
	Examiner	Art Unit	
	Qing Chen	2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on June 16, 2008.
2. ☒ The allowed claim(s) is/are 1-4,6,7,10 and 12-17, renumbered as 1-13.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>See Continuation Sheet</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 20080220, 20080325, 20080409, 20080513, 20080715.

DETAILED ACTION

1. This Office action is in response to the amendment filed on June 16, 2008.
2. **Claims 1-4, 6, 7, 10, and 12-17** are pending.
3. **Claims 1-3, 6, 10, 12-14, 16, and 17** have been amended.
4. **Claims 5, 8, 9, 11, and 18** have been cancelled.
5. **Claims 1-4, 6, 7, 10, and 12-17** are allowed, renumbered as 1-13.
6. The objection to the specification is withdrawn in view of Applicant's amendments to the specification.
7. The objections to Claims 6-8, 10, and 17 are withdrawn in view of Applicant's amendments to the claims.
8. The nonstatutory obviousness-type double patenting rejections of Claims 1 and 12 are withdrawn in view of Applicant's submission of the terminal disclaimer.
9. The 35 U.S.C. § 112, second paragraph, rejections of Claims 12-17 are withdrawn in view of Applicant's amendments to the claims.

Terminal Disclaimer

10. The terminal disclaimer filed on June 16, 2008 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of Patent Number 7,281,245 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Information Disclosure Statement

11. All cited documents identified as official actions, examination reports, and miscellaneous communications from various patent offices with proper English translation if in a non-English language submitted by the Applicant are considered by the Examiner. However, these cited documents are official documents that are sent to Applicants in response to examination of patent applications and cannot be listed in a printed patent publication. An initial of the Examiner will cause these cited documents to be listed in the printed patent publication and therefore, a strikethrough of these cited documents is applied.

The cited documents considered by the Examiner but will not be listed in the printed patent publication are as follows (in no particular order). These cited documents are submitted on IDS #30-#34 from February 20, 2008 to July 15, 2008:

- U.S. Office Action dated June 11, 2008 cited in U.S. Application No. 09/841,265
- U.S. Office Action dated May 27, 2008 cited in U.S. Application No. 09/906,552
- U.S. Office Action dated February 8, 2008 cited in U.S. Application No. 10/141,712
- U.S. Office Action dated June 12, 2008 cited in U.S. Application No. 10/426,446
- U.S. Office Action dated January 25, 2008 cited in U.S. Application No. 10/608,267
- U.S. Office Action dated June 13, 2008 cited in U.S. Application No. 10/780,376
- U.S. Official Action mailed April 29, 2008 cited in U.S. Application No. 09/588,411
- U.S. Official Action mailed April 1, 2008 cited in U.S. Application No. 09/907,418
- U.S. Official Action mailed April 4, 2008 cited in U.S. Application No. 10/155,680
- U.S. Official Action mailed May 1, 2008 cited in U.S. Application No. 10/183,317
- U.S. Final Office Action dated February 20, 2008 cited in U.S. Application No. 10/154,630
- U.S. Final Official Action mailed April 29, 2008 cited in U.S. Application No. 10/179,810
- U.S. Final Office Action dated June 27, 2008 cited in U.S. Application No. 10/377,258
- U.S. Examiner's Answer BPAI dated June 5, 2008 cited in U.S. Application No. 10/184,298
- Chinese Official Action dated December 28, 2007 cited in Application No. 200410005390.8

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- Chinese Official Action dated January 4, 2008 cited in Application No. 200510009487.0
- Japanese Official Action dated April 18, 2008 cited in Japanese Application No. 2003-128417
- Japanese Official Action dated March 28, 2008 cited in Japanese Application No. 2003-178497
- Singapore Examination Reported (conducted by Austrian Patent Office) dated January 25, 2008 cited in SG Application No. 200500214-2
- European Communication Summons to Attend Oral Proceedings dated May 7, 2008 cited in European Application No. 04002224.6
- European Communication Summons to Attend Oral Proceedings dated March 10, 2008 in EP 03 01 0292.5-1527
- European Communication Summons to Attend Oral Proceedings dated March 4, 2008 in EP 05 000 506.5-1527
- European Examination Report dated March 4, 2006 cited in EP Application No. 02 014 717.9-1527
- European Communication dated June 3, 2008 cited in European Application No. 03 011 851.7-2211
- European Examination Report dated March 4, 2006 cited in EP Application No. 03 012 432.5-1527
- Russian Official Action dated March 13, 2008 cited in Russian Application No. 2004104096/09(004398)
- Russian Official Action dated January 11, 2008 cited in Russian Application No. 2004105880/09(006292)

The following cited documents (in no particular order) are submitted on IDS #1-#29 from January 23, 2004 to January 30, 2008. Note that these cited documents were initialed by the Examiner. However, as noted above, these cited documents will not be listed in the printed patent publication.

- Official Action issued by USPTO dated April 8, 2005 in connection with Serial No. 10/164,960 filed June 6, 2002 (32 pages)
- U.S. Office Action dated July 20, 2007 cited in U.S. Application No. 09/841,265
- U.S. Office Action dated June 28, 2007 cited in U.S. Application No. 09/841,266
- U.S. Office Action dated July 13, 2007 cited in U.S. Application No. 10/154,630
- U.S. Office Action dated October 17, 2007 cited in U.S. Application No. 10/155,680
- U.S. Office Action dated November 15, 2006 cited in U.S. Application No. 10/179,438

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- U.S. Office Action dated September 10, 2007 cited in U.S. Application No. 10/179,438
- U.S. Office Action dated August 10, 2007 cited in U.S. Application No. 10/179,810
- U.S. Office Action dated October 9, 2007 cited in U.S. Application No. 10/183,317
- U.S. Office Action dated November 9, 2006 cited in U.S. Application No. 10/184,298
- U.S. Office Action, dated September 2, 2005, Application No. 10/366,141, filed February 13, 2003, entitled, " Linking Elements of a Document to Corresponding Fields, Queries and/or Procedures in a Database," Inventors: Brian Jones, Marcin Sawicki.
- U.S. Office Action dated December 26, 2007 cited in U.S. Application No. 10/377,258
- U.S. Official Action dated December 29, 2003 in U.S. 09/588,411
- U.S. Official Action dated December 8, 2004 in U.S. 09/588,411
- U.S. Official Action dated June 14, 2004 in U.S. 09/588,411
- U.S. Official Action dated May 26, 2006 in U.S. Application No. 09/588,411
- U.S. Official Action dated February 6, 2007 cited in U.S. Application No. 09/588,411
- U.S. Official Action dated June 18, 2004 in U.S. 09/818,157
- U.S. Official Action dated October 6, 2004 in U.S. 09/818,157
- U.S. Official Action dated March 1, 2005 in U.S. 09/818,157
- U.S. Official Action dated March 17, 2005 in U.S. 09/841,265
- U.S. Official Action dated November 15, 2005 in U.S. 09/841,265
- U.S. Official Action dated October 10, 2006 cited in U.S. Application No. 09/841,265
- U.S. Official Action dated August 20, 2004 in U.S. 09/841,266
- U.S. Official Action dated April 19, 2005 in U.S. 09/841,266
- U.S. Official Action dated January 11, 2006 in U.S. 09/841,266
- U.S. Official Action dated July 15, 2004 in U.S. 09/906,467
- U.S. Official Action dated May 5, 2005 in U.S. 09/906,467
- U.S. Official Action dated February 2, 2006 in U.S. 09/906,467
- U.S. Official Action dated May 30, 2007 cited in U.S. Application No. 09/906,467
- U.S. Official Action dated March 29, 2004 in U.S. 09/906,552
- U.S. Official Action dated January 25, 2005 in U.S. 09/906,552
- U.S. Official Action dated October 20, 2005 in U.S. 09/906,552
- U.S. Official Action dated May 14, 2007 cited in U.S. Application No. 09/906,552
- U.S. Official Action dated September 29, 2004 in U.S. 09/907,418
- U.S. Official Action dated May 6, 2005 in U.S. 09/907,418
- U.S. Official Action dated December 5, 2005 in U.S. 09/907,418
- U.S. Official Action dated April 10, 2007 cited in U.S. Application No. 09/907,418
- U.S. Official Action dated June 24, 2005 in U.S. 10/140,544
- U.S. Official Action dated January 17, 2006 in U.S. 10/140,544
- U.S. Official Action dated October 6, 2006 cited in U.S. Application No. 10/140,544
- U.S. Official Action dated March 24, 2005 in U.S. 10/141,712
- U.S. Official Action dated November 22, 2005 in U.S. 10/141,712
- U.S. Official Action dated May 31, 2006 in U.S. Application No. 10/141,712

Art Unit: 2191

- U.S. Official Action dated March 12, 2007 cited in U.S. Application No. 10/141,712
- U.S. Official Action dated February 12, 2004 in U.S. 10/154,630
- U.S. Official Action dated January 26, 2005 in U.S. 10/154,630
- U.S. Official Action dated June 3, 2005 in U.S. 10/154,630
- U.S. Official Action dated February 24, 2006 In U.S. 10/154,630
- U.S. Official Action dated December 20, 2006 in U.S. Application No. 10/154,630
- U.S. Official Action dated December 15, 2005 in U.S. 10/155,680
- U.S. Official Action dated September 7, 2006 cited in U.S. Application No. 10/155,680
- U.S. Official Action dated November 10, 2005 in U.S. 10/164,260
- U.S. Official Action dated April 8, 2005 in U.S. 10/164,960
- U.S. Official Action dated August 9, 2006 cited in U.S. Application No. 10/164,960
- U.S. Official Action dated November 2, 2004 in U.S. 10/178,680
- U.S. Official Action dated July 25, 2005 in U.S. 10/179,438
- U.S. Official Action dated April 17, 2006 in U.S. 10/179,438
- U.S. Official Action dated February 7, 2007 cited in U.S. Application No. 10/179,438
- U.S. Official Action dated October 5, 2005 in U.S. 10/179,810
- U.S. Official Action dated April 10, 2006 in U.S. 10/179,810
- U.S. Official Action dated October 4, 2005 in U.S. 10/183,317
- U.S. Official Action dated January 5, 2007 in U.S. Application No. 10/183,717
- U.S. Official Action dated November 2, 2005 in U.S. 10/184,190
- U.S. Official Action dated April 17, 2006 in U.S. 10/184,190
- U.S. Official Action dated January 11, 2007 in U.S. Application No. 10/184,190
- U.S. Official Action dated May 20, 2005 in U.S. 10/184,298
- U.S. Official Action dated February 16, 2006 in U.S. 10/184,298
- U.S. Official Action dated September 2, 2005 in U.S. 10/366,141
- U.S. Official Action dated June 1, 2006 in Application No. 10/366,141
- U.S. Official Action dated February 21, 2007 cited in U.S. Application No. 10/366,141
- U.S. Official Action dated April 5, 2006 in U.S. 10/377,258
- U.S. Official Action dated December 14, 2005 in U.S. 10/608,267
- U.S. Official Action dated September 28, 2006 cited in U.S. Application No. 10/608,267
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- U.S. Official Action dated March 9, 2007 cited in U.S. Application No. 10/426,446
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- U.S. Final Office Action dated October 30, 2007 cited in U.S. Application No. 09/906,552
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- U.S. Final Official Action dated August 18, 2006 cited in U.S. Application No. 09/907,418
- U.S. Final Official Action dated December 26, 2006 in U.S. Application No. 10/179,810
- Japanese Official Action dated October 19, 2007 cited in Japanese Application No. 2003-128417
- Malaysian Search Report dated August 2, 2007 cited in Malaysian Application No, PI 20040265
- Singapore Search Report/Written Opinion dated January 26, 2007 in SG 200500214-2
- European Communication dated November 9, 2006 in EP 03010292.5
- European Communication dated September 25, 2006 in EP 03 01 4181
- European Communication dated November 17, 2006 in EP 03 011 851.7-2211
- European Communication dated December 11, 2006 in EP 03 012 830.0-2211
- European Communication dated September 25, 2007 cited in European Application No. 03 014 181.6-1243

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- European Communication dated February 16, 2007 cited in European Application No. 04 003 683.2-2211
- European Communication dated April 19, 2006 in EP 05 000 506.5-1527
- Russian Official Action dated October 11, 2008 cited in Russian Application No. 2003118722

Examiner's Amendment

12. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone interview with D. Kent Stier (Reg. No. 50,640) on August 8, 2008.

The application has been amended as follows:

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 10, and 12 as follows:

1. (Currently Amended) A method of downloading software components from a remote source to a software application for providing updates or additions to application or document functionality, comprising:

attaching a schema to a document defining permissible data content, data type and data structure for the document;

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structuring the document to associate the document with the schema by annotating particular portions of the document with elements of the schema;

associating a document solution with the document structure, wherein at least one solution is associated with each element of the schema annotating the particular portions of the document, and wherein the document solution includes at least one from a set of a plurality of information tips to assist a user of the document and a plurality of document actions;

in response to initiation of editing of a particular portion of the document annotated with a schema element, calling on the document solution associated with the schema element;

determining whether the document solution associated with the schema element is present in a local library of software components;

if the document solution is not present in the local library of software components, assembling a plurality of software components comprising a plurality of document solutions at a location remote from the document;

if the document solution is present in the local library of software components, determining whether the document solution requires updating, and if the document solution requires updating, assembling the plurality of software components comprising the plurality of document solutions at the location remote from the document;

obtaining profile information associated with a user of the document, the profile information including at least one from a set of: a job description, a location, and a security clearance;

generating a document solution tailored to the profile information associated with the user of the document; and

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downloading the tailored document solution to the application for provision of functionality provided by the tailored document solution to the document.

10. (Currently Amended) A method of downloading software components from a remote source to a software application for providing a desired solution to a computer-generated document, comprising:

obtaining the computer-generated document, wherein a schema is attached to the computer-generated document defining permissible data content, data type and data structure for the computer-generated document, and wherein the schema includes schema elements annotating particular portions of the computer-generated document;

determining whether the computer-generated document references a document namespace;

if the computer-generated document references a document namespace, determining whether a manifest collection contains a document solution identification associated with the document namespace identified by one of the schema elements;

if the manifest collection contains a document solution identification associated with the document namespace, obtaining a location of the document solution identified by the document solution identification, wherein the document solution includes at least one from a set of a plurality of information tips to assist a user of the computer-generated document and a plurality of document actions;

if the location includes a local library of software components in addition to the remote source, determining whether the document solution in the local library of software components

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requires an update, and if the document solution requires an update, calling the remote source location of the document solution identified by the document solution identification;

if the location does not include the local library of software components, calling the location of the document solution identified by the document solution identification;

passing an identification of a user of the computer-generated document to the manifest of document solutions identified by the document solution identification as the location of the document solution;

at the manifest of document solutions, calling a database of user information with the identification of the user for obtaining profile information for the user of the computer-generated document, the profile information including at least one from a set of: a job description, a location, and a security clearance;

obtaining the profile information associated for the user of the computer-generated document;

at the manifest of document solutions, generating a document solution tailored to the profile information associated with the user of the computer-generated document; and

downloading the tailored document solution identified by the document solution identification to the computer-generated document for providing the functionality of the tailored document solution to the computer-generated document.

12. (Currently Amended) A computer-readable medium with computer executable instructions stored thereon, which when executed by a computer perform a method of

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downloading software components from a remote source to a software application for providing updates or additions to application or document functionality, the method comprising:

- attaching a schema to a document defining permissible data content, data type and data structure for the document;

- structuring the document to associate the document with the schema by annotating particular portions of the document with elements of the schema;

- associating a document solution with the document structure, wherein at least one solution is associated with each element of the schema annotating the particular portions of the document, and wherein the document solution includes at least one from a set of a plurality of information tips to assist a user of the document and a plurality of document actions;

- in response to initiation of editing of a particular portion of the document annotated with a schema element, calling on the document solution associated with the schema element;

- determining whether the document solution associated with the schema element is present in a local library of software components;

- if the document solution is not present in the local library of software components, assembling a plurality of software components comprising a plurality of document solutions at a location remote from the document;

- if the document solution is present in the local library of software components, determining whether the document solution requires updating, and if the document solution requires updating, assembling the plurality of software components comprising the plurality of document solutions at the location remote from the document;

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obtaining profile information associated with a user of the document, the profile information including at least one from a set of: a job description, a location, and a security clearance;

generating the document solution tailored to the profile information associated with the user of the document; and

downloading the tailored document solution to the application for provision of functionality provided by the tailored document solution to the document.

-- END OF AMENDMENT --

Reasons for Allowance

13. The following is an Examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, "if the document solution is present in the local library of software components, determining whether the document solution requires updating, and if the document solution requires updating, assembling the plurality of software components comprising the plurality of document solutions at the location remote from the document" and "obtaining profile information associated with a user of the document, the profile information including at least one from a set of: a job description, a location, and a security clearance" as recited in independent Claims 1 and 12; and further fail to teach, in combination with the other claimed limitations, "if the document solution is present in the local library of software components, determining whether the document solution requires an update, and if the document solution requires an

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update, calling the manifest of document solutions for the document solution” and “at the manifest, calling a database of user information with the identification of the user for obtaining profile information for the user of the computer-generated document, the profile information including at least one from a set of: a job description, a location, and a security clearance” as recited in independent Claim 6; and further fail to teach, in combination with the other claimed limitations, “if the location includes a local library of software components in addition to the remote source, determining whether the document solution in the local library of software components requires an update, and if the document solution requires an update, calling the remote source location of the document solution identified by the document solution identification” and “at the manifest of document solutions, calling a database of user information with the identification of the user for obtaining profile information for the user of the computer-generated document, the profile information including at least one from a set of: a job description, a location, and a security clearance” as recited in independent Claims 10 and 17.

The closest cited prior art, the combination of US 6,687,485 (hereinafter “Hopkins”), US 6,990,654 (hereinafter “Carroll”), US 6,381,742 (hereinafter “Forbes”), and US 5,987,480 (hereinafter “Donohue”), teaches a system and method for supplying a user of a web-based application with relevant interactive help/training content that corresponds to an object or page of the web-based application that the user’s cursor is pointing to. However, the combination of Hopkins, Carroll, Forbes, and Donohue fails to teach “if the document solution is present in the local library of software components, determining whether the document solution requires updating, and if the document solution requires updating, assembling the plurality of software components comprising the plurality of document solutions at the location remote from the

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document” and “obtaining profile information associated with a user of the document, the profile information including at least one from a set of: a job description, a location, and a security clearance” as recited in independent Claims 1 and 12; and further fails to teach “if the document solution is present in the local library of software components, determining whether the document solution requires an update, and if the document solution requires an update, calling the manifest of document solutions for the document solution” and “at the manifest, calling a database of user information with the identification of the user for obtaining profile information for the user of the computer-generated document, the profile information including at least one from a set of: a job description, a location, and a security clearance” as recited in independent Claim 6; and further fails to teach “if the location includes a local library of software components in addition to the remote source, determining whether the document solution in the local library of software components requires an update, and if the document solution requires an update, calling the remote source location of the document solution identified by the document solution identification” and “at the manifest of document solutions, calling a database of user information with the identification of the user for obtaining profile information for the user of the computer-generated document, the profile information including at least one from a set of: a job description, a location, and a security clearance” as recited in independent Claims 10 and 17.

Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

14. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Qing Chen whose telephone number is 571-270-1071. The Examiner can normally be reached on Monday through Thursday from 7:30 AM to 4:00 PM. The Examiner can also be reached on alternate Fridays.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Wei Zhen, can be reached on 571-272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/QC/
August 11, 2008

/Wei Zhen/

Supervisory Patent Examiner, Art Unit 2191